

# 2007 University of Nevada Extension Annual Report

Status: Accepted  
Date Accepted: 06/02/08

2007 University of Nevada Extension Annual Report

## I. Report Overview

### 1. Executive Summary

All programs outlined in this annual report are being developed and implemented based on local or statewide formal and informal needs assessments. Additionally, specific efforts have been taken to address the needs of under-served/under-represented populations of the state, as well as activities/programs specific to the needs of these audiences. It should be noted that just about all Cooperative Extension programs in Nevada have some type of applied "research" component. Cooperative Extension faculty are expected to research needs, program impacts, and may use applied research projects as a teaching tool as well as to learn new information for use in programs. All Cooperative Extension faculty must have at least these minimum research components in their programs, and research is a major consideration in annual evaluations for both field faculty and campus based faculty (many of whom also have joint Nevada Agricultural Experiment Station appointments as well).

#### Total Actual Amount of professional FTEs/SYs for this State

Year:2007	Extension		Research	
	1862	1890	1862	1890
Plan	48.3	0.0	0.0	0.0
Actual	47.0	0.0	0.0	0.0

## II. Merit Review Process

### 1. The Merit Review Process that was Employed for this year

- Combined External and Internal University External Non-University Panel

### 2. Brief Explanation

As outlined in the plan of work, the merit review process is actually several review processes at different times. First, all Extension faculty are required to prepare a "Role Statement" detailing their plans and activities for the coming calendar year. They review this plan with their Area Director or Department Chair who insures the quality and relevance of planned work efforts to the identified program goals. Both the Area Director and the Dean/Director sign off on the plan. Second, Extension in Nevada uses a peer review process whereby Extension faculty provide evaluation and input on their peers concerning their program quality, its importance to stakeholders and relevance. In these peer reviews, the needs assessments are also examined as well as program impacts. These peer reviews are used by Area Directors and Department Chairs to not only evaluate faculty, but are also used in reviewing "Role Statements" and focusing faculty efforts in the future. These are also reviewed by the Dean/Director. At each of these steps, the Strategic Plan is used to evaluate program priorities and need. Third, programs and their impacts are reviewed with the State Extension Advisory Committee to get their input and evaluation as well. Fourth, all Extension publications and curriculum are peer reviewed from either internal experts, external experts or both. Not only does this produce better publications but provides some feedback on the "need" or relevance to stakeholders of the topic. Finally, those efforts organized as Western Coordinating Committee projects through the Western Regional Coordinating Implementation Committee (RCIC) are reviewed by RCIC (which is represented by both Extension and Research) for progress during the course of the project/program and at project termination. The reviews are documented and housed at the executive director's office in the western region. Additionally, those portions of programs which are part of the eXtension effort are reviewed in the eXtension selection process. As outlined in the plan of work, the merit review process is actually several review processes at different times. First, all Extension faculty are required to prepare a "Role Statement" detailing their plans and activities for the coming calendar year. They review this plan with their Area Director or Department Chair who insures the quality and relevance of planned work efforts to the identified program goals. Both the Area Director and the Dean/Director sign off on the plan. Second, Extension in Nevada uses a peer review process whereby Extension faculty provide evaluation and input on their peers concerning their program quality, its importance to stakeholders and relevance. In these peer reviews, the needs assessments are also examined as well as program impacts. These peer reviews are used by Area Directors and Department Chairs to not only evaluate faculty, but are also used in reviewing "Role Statements" and focusing faculty efforts in the future. These are also reviewed by the Dean/Director. At each of these steps, the Strategic Plan is used to evaluate program priorities and need. Third, programs and their impacts are reviewed with the State Extension Advisory Committee to get their input and evaluation as well. Fourth, all Extension publications and curriculum are peer reviewed from either internal experts, external experts or both. Not only does this produce better publications but provides some feedback on the "need" or relevance to stakeholders of the topic. Finally, those efforts organized as Western Coordinating Committee projects through the Western Regional Coordinating Implementation Committee (RCIC) are reviewed by RCIC (which is represented by both Extension and Research) for progress during the course of the project/program and at project termination. The reviews are documented and housed at the executive director's office in the western region. Additionally, those portions of programs which are part of the eXtension effort are reviewed in the eXtension selection process.

### **III. Stakeholder Input**

#### **1. Actions taken to seek stakeholder input that encouraged their participation**

- Targeted invitation to traditional stakeholder individuals
- Targeted invitation to non-traditional stakeholder individuals
- Survey of traditional stakeholder groups
- Survey specifically with non-traditional groups

#### **Brief Explanation**

In 2000, UNCE established a statewide Advisory Committee that represents a diverse cross section of stakeholders from both rural and urban communities, including minorities. This Advisory Committee has met at least twice a year since 2001 and continues to review UNCE programs and provide suggestions on additional program opportunities. It provides broad guidance on UNCE programming and policies, serves as a sounding board for setting program priorities, and has helped obtain support for UNCE from key state and county elected officials. CARET representatives also serve as members of this UNCE Advisory Committee.

Within their first year of being hired, UNCE funded faculty are expected to conduct a formal needs assessment in order to identify critical issues in their subject matter area. For County Extension Educators, a very broad, community-based assessment is expected. For Area Specialists, a broad, issue-based assessment is expected. State Extension Specialists are charged with compiling local needs assessments and adding statewide data and impacts. Indeed, one of the criteria for annual performance evaluation is effective assessment of need. Following their initial needs assessment, faculty are required to continually assess needs through contact with stakeholders and periodically conduct a needs assessment in as expected of newly hired faculty. Information on the "community stakeholder meetings" and some of the other statewide needs assessments can be found at: <http://www.unce.unr.edu/Gateway/gateway.htm>. A recent example is the needs assessment related to "aging" in Nevada which was completed in 2007 and involved a series of focus groups across the state.

As a result of the above processes for stakeholder input, all of UNCE's major educational programs are based on one or more needs assessments. UNCE has also used this information in ongoing strategic planning for the future. The data collected by UNCE is also shared with the Nevada Agricultural Experiment Station for their information, as well as other university faculty for their use and information.

**2(A). A brief statement of the process that was used by the recipient institution to identify individuals and groups stakeholders and to collect input from them**

**1. Method to identify individuals and groups**

- Use Advisory Committees
- Use Internal Focus Groups
- Use External Focus Groups
- Open Listening Sessions
- Needs Assessments
- Use Surveys

**Brief Explanation**

A variety of methods are used across the state to identify individuals/groups who are stakeholders and to get their input. No one method is required or always appropriate. In fact, one method may be used in one county and a different method in another county. Even within counties, one method might be used in one situation and another method used in a different situation.

**2(B). A brief statement of the process that was used by the recipient institution to identify individuals and groups who are stakeholders and to collect input from them**

**1. Methods for collecting Stakeholder Input**

- Meeting with traditional Stakeholder groups
- Survey of traditional Stakeholder groups
- Meeting with traditional Stakeholder individuals
- Survey of traditional Stakeholder individuals
- Meeting specifically with non-traditional groups
- Survey specifically with non-traditional groups
- Meeting specifically with non-traditional individuals
- Meeting with invited selected individuals from the general public
- Survey of selected individuals from the general public

**Brief Explanation**

As noted above.

**3. A statement of how the input was considered**

- In the Budget Process
- To Identify Emerging Issues
- Redirect Extension Programs
- In the Staff Hiring Process
- In the Action Plans
- To Set Priorities

**Brief Explanation**

Stakeholder input is routinely used to identify emerging issues, to redirect Extension programs and also in the hiring process. Where stakeholder input and needs assessments show the need for different staffing, it has also been used to make changes in qualifications of those hired in empty or new positions. Additionally, it is used in setting program priorities. Finally, it is used in making request for additional funding.

**Brief Explanation of what you learned from your Stakeholders**

Nothing for CSREES attention at this time.

**IV. Expenditure Summary**

1. Total Actual Formula dollars Allocated (prepopulated from C-REEMS)			
Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
1053353	0	0	0

2. Totaled Actual dollars from Planned Programs Inputs				
	Extension		Research	
	Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
Actual Formula	1171030	0	0	0
Actual Matching	1171030	0	0	0
Actual All Other	2720195	0	0	0
<b>Total Actual Expended</b>	<b>5062255</b>	<b>0</b>	<b>0</b>	<b>0</b>

3. Amount of Above Actual Formula Dollars Expended which comes from Carryover funds from previous years				
Carryover				
	0	0	0	0

**V. Planned Program Table of Content**

<b>S. NO.</b>	<b>PROGRAM NAME</b>
1	Community Development
2	Health & Nutrition (Healthy Lifestyle & Food Choices)
3	Agriculture & Natural Resources
4	Human & Family Development

**Program #1**

**V(A). Planned Program (Summary)**

**1. Name of the Planned Program**

Community Development

**V(B). Program Knowledge Area(s)**

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
608	Community Resource Planning and Development	65%			
803	Sociological and Technological Change Affecting Individuals, Families and Communities	10%			
805	Community Institutions, Health, and Social Services	25%			
	<b>Total</b>	100%			

**V(C). Planned Program (Inputs)**

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2007	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	7.3	0.0	0.0	0.0
<b>Actual</b>	4.5	0.0	0.0	0.0

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
99787	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
99787	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
231797	0	0	0

**V(D). Planned Program (Activity)**

**1. Brief description of the Activity**

Community Development" is a broad program area focusing on "capacity building" for communities, public issues education programs, leadership skills development and economic modeling or other community asset assessments for planning and development. Both "community" and "development"

are defined very broadly. The primary outcomes are:

- \* To enhance the capacity of individuals to function as effective leaders in their organizations and communities, and to become more involved in community or organizational issues.
- \* To help individuals and community leaders learn about public policy issues, community assets and economic models so they can make appropriate development plans for their communities.
- \* For communities and organizations to proactively plan and influence the future development of their communities in positive ways to make it a desirable and positive environment for individuals, families and businesses.

**2. Brief description of the target audience**

Targeted audiences are individuals who are interested in "leadership development" programming, as well as community and/or organizational leaders involved in economic development or community planning, the National Rural Health Works program and the Nevada Rural Development Council.

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Year</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>
<b>Plan</b>	765	1400	3080	0
2007	6502	1700	1179	0

**2. Number of Patent Applications Submitted (Standard Research Output)**

**Patent Applications Submitted**

<b>Year</b>	<b>Target</b>
<b>Plan:</b>	0
2007 :	0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>			
2007	8	0	0

**V(F). State Defined Outputs**

**Output Target**

**Output #1****Output Measure**

- Number of publications produced related to "community development" for use by community leaders and/or organizations in economic or development planning.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	4	8

**Output #2****Output Measure**

- Number individuals (adults & youth) receiving leadership or economic development training or information.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	100	7681

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

<b>O No.</b>	<b>OUTCOME NAME</b>
1	Number of individuals (adults & youth) learning new leadership or economic development skills/knowledge.
2	Number of individuals (adults & youth) applying or using new leadership or economic development skills/knowledge in their organizations or communities.
3	Number of communities completing Rural Health Works program.
4	The percentage of participants in one leadership program whose expectations were met or exceeded.
5	The percentage of participants in one leadership program who increased their community leadership activities over the 11 month program.
6	Average profit for vendors at Tonopah (very rural) farmer's market.

**Outcome #1****1. Outcome Measures**

Number of individuals (adults & youth) learning new leadership or economic development skills/knowledge.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	75	150

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families and Communities
805	Community Institutions, Health, and Social Services
608	Community Resource Planning and Development

**Outcome #2****1. Outcome Measures**

Number of individuals (adults & youth) applying or using new leadership or economic development skills/knowledge in their organizations or communities.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	25	75

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

## Results

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services
608	Community Resource Planning and Development
803	Sociological and Technological Change Affecting Individuals, Families and Communities

### Outcome #3

#### 1. Outcome Measures

Number of communities completing Rural Health Works program.

#### 2. Associated Institution Types

•1862 Extension

#### 3a. Outcome Type:

Change in Action Outcome Measure

#### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2007	1	0

#### 3c. Qualitative Outcome or Impact Statement

Issue (Who cares and Why)

What has been done

## Results

### 4. Associated Knowledge Areas

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services
608	Community Resource Planning and Development

### Outcome #4

#### 1. Outcome Measures

The percentage of participants in one leadership program whose expectations were met or exceeded.

#### 2. Associated Institution Types

•1862 Extension

#### 3a. Outcome Type:

Change in Knowledge Outcome Measure

#### 3b. Quantitative Outcome

Year	Quantitative Target	Actual
2007	{No Data Entered}	86

#### 3c. Qualitative Outcome or Impact Statement

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families and Communities
608	Community Resource Planning and Development
805	Community Institutions, Health, and Social Services

**Outcome #5**

**1. Outcome Measures**

The percentage of participants in one leadership program who increased their community leadership activities over the 11 month program.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	{No Data Entered}	53

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
608	Community Resource Planning and Development
803	Sociological and Technological Change Affecting Individuals, Families and Communities
805	Community Institutions, Health, and Social Services

**Outcome #6**

**1. Outcome Measures**

Average profit for vendors at Tonopah (very rural) farmer's market.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Condition Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	{No Data Entered}	400

**3c. Qualitative Outcome or Impact Statement**

Issue (Who cares and Why)

What has been done

Results

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
805	Community Institutions, Health, and Social Services
608	Community Resource Planning and Development
803	Sociological and Technological Change Affecting Individuals, Families and Communities

**V(H). Planned Program (External Factors)****External factors which affected outcomes**

- Appropriations changes
- Public Policy changes
- Competing Programmatic Challenges

**Brief Explanation**

None.

**V(I). Planned Program (Evaluation Studies and Data Collection)****1. Evaluation Studies Planned**

- Before-After (before and after program)
- During (during program)
- Case Study

**Evaluation Results****Key Items of Evaluation**

**Program #2**

**V(A). Planned Program (Summary)**

**1. Name of the Planned Program**

Health & Nutrition (Healthy Lifestyle & Food Choices)

**V(B). Program Knowledge Area(s)**

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
703	Nutrition Education and Behavior	60%			
724	Healthy Lifestyle	20%			
802	Human Development and Family Well-Being	15%			
806	Youth Development	5%			
<b>Total</b>		<b>100%</b>			

**V(C). Planned Program (Inputs)**

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2007	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	7.4	0.0	0.0	0.0
<b>Actual</b>	7.7	0.0	0.0	0.0

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
165378	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
165378	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
384160	0	0	0

**V(D). Planned Program (Activity)**

**1. Brief description of the Activity**

In "Health & Nutrition, the primary goal is "better individual health, better quality of life and lower health costs throughout their lifespan." Adopting a healthy lifestyle and food choices are necessary for individuals to maintain optimal health throughout their lifespan. This various activities of this program are designed to provide health & nutrition educational programs where individuals, families and care givers can learn the benefits of a healthy lifestyle and proper food habits which promote health and wellbeing. Learning and adoption of more healthful practices are the primary outcomes being sought. Additionally, there are special efforts focused on needs of children, minorities and low income families. Human & Family Development programming focuses on the interrelated areas of children, youth and families at risk, positive youth development, parenting education, literacy and child care provider training. Ultimate outcomes of this program include:

- \* Reduced risk and increased protective assets for youth and families at risk \* Decrease in numbers of serious arguments in the family.

- \* Improve literacy skills of children and parents, including ESL (English as Second Language) parents & children.

- \* Improve the quality of care provided by child care providers. \* Improve the positive youth development opportunities for all youth.

- \* Expand opportunities for parenting education for parents of infants through eXtension.

This was the emphasis in programs during 2007.

**2. Brief description of the target audience**

Targeted audiences are varied. One target audience is those who train or education others about health lifestyles and food choices (medical professionals, professional care givers) as well as individual adults and youth of all ages. A second target audience is children, youth and families at risk as well as minorities. A third target audience is youth in school settings.

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Year</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>
<b>Plan</b>	1755	2800	2000	17700
2007	23407	315464	26296	5781

**2. Number of Patent Applications Submitted (Standard Research Output)**

**Patent Applications Submitted**

<b>Year</b>	<b>Target</b>
<b>Plan:</b>	0
2007 :	0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>			
2007	21	0	0

**V(F). State Defined Outputs**

**Output Target**

**Output #1****Output Measure**

- Number of in school classes taught to students about healthy food choices.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	50	0

**Output #2****Output Measure**

- Number of health & nutrition publications published or placed on web.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	10	21

**Output #3****Output Measure**

- Copies of English & Spanish 'An Apple A Day' nutrition education materials requested and provided to physician's offices.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	{No Data Entered}	8000

**Output #4****Output Measure**

- Number of 2nd graders in Clake County 'high needs' schools receiving educational program on healthy food, choosing healthy food and healthy behaviors (Chefs For Kids).

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	{No Data Entered}	3500

**Output #5****Output Measure**

- Number of middle school students learning about importance of consuming enough calcium rich foods.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	{No Data Entered}	3500

**Output #6****Output Measure**

- Number of health professionals trained about breastfeeding.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	{No Data Entered}	500

**Output #7****Output Measure**

- Number of students attending alternative high schools and community programs learning about nutrition and health for themselves and their future children (Nurturing Partners).

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	{No Data Entered}	779

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

<b>O No.</b>	<b>OUTCOME NAME</b>
1	Number of individuals (adults & youth) who will learn knowledge or skills necessary to make healthy lifestyle and food choices for themselves or those they care for (knowledge learned).
2	Number of individuals (adults & youth) who will adopt healthy lifestyle practices or food choices (behavior).
3	Improvements in components associated with better health and a higher quality of life for independent living older adults completing the 16 week 'Seniors CAN' program curriculum.
4	Participants in a diabetes education program (An Ounce of Prevention) making lifestyle changes or improving their knowledge of risk factors for diabetes.
5	Number of middle school students increasing awareness, knowledge and skills related to increasing the consumption of calcium rich foods.
6	Percentage of 2nd graders able to list two foods from each food group with no errors. (Chefs for Kids)
7	The goal of this six session curriculum, (Food for Health and Soul) is to encourage and teach families to modify their favorite recipes by decreasing sugar, fat, salt and sodium and increasing fiber-rich foods during preparation; thereby decreasing the risk for chronic diseases such as heart disease, diabetes, hypertension, some cancers and obesity.

**Outcome #1****1. Outcome Measures**

Number of individuals (adults & youth) who will learn knowledge or skills necessary to make healthy lifestyle and food choices for themselves or those they care for (knowledge learned).

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	3500	4500

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
703	Nutrition Education and Behavior
724	Healthy Lifestyle
802	Human Development and Family Well-Being
806	Youth Development

**Outcome #2****1. Outcome Measures**

Number of individuals (adults & youth) who will adopt healthy lifestyle practices or food choices (behavior).

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	350	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

Parents and health care professionals are concerned about the need for healthy lifestyle practices and food choices by children and parents for children. (As written, this 'outcome measure' was too broad and general and will be revised in the plan of work.)

**What has been done**

A wide variety of health and nutrition education programs have been undertaken both in schools and with health professionals.

**Results**

Overall, most participants change some aspect of their food choices that will potentially improve their health.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
724	Healthy Lifestyle
703	Nutrition Education and Behavior
806	Youth Development
802	Human Development and Family Well-Being

**Outcome #3****1. Outcome Measures**

Improvements in components associated with better health and a higher quality of life for independent living older adults completing the 16 week 'Seniors CAN' program curriculum.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2007	{No Data Entered}	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)****What has been done****Results**

The 16-week intervention demonstrated statistically significant improvements in components associated with better health and a higher quality of life which should reduce risk and promote the health and independence of older adults.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
724	Healthy Lifestyle
802	Human Development and Family Well-Being
703	Nutrition Education and Behavior

**Outcome #4****1. Outcome Measures**

Participants in a diabetes education program (An Ounce of Prevention) making lifestyle changes or improving their knowledge of risk factors for diabetes.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	{No Data Entered}	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)****What has been done****Results**

Analysis of data from the 229 participants showed a significant improvement in knowledge of diabetes as well as knowledge of the risk factors for diabetes. significant

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
703	Nutrition Education and Behavior

**Outcome #5****1. Outcome Measures**

Number of middle school students increasing awareness, knowledge and skills related to increasing the consumption of calcium rich foods.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	{No Data Entered}	2300

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)****What has been done****Results****4. Associated Knowledge Areas**

KA Code	Knowledge Area
703	Nutrition Education and Behavior
806	Youth Development
724	Healthy Lifestyle

**Outcome #6**

**1. Outcome Measures**

Percentage of 2nd graders able to list two foods from each food group with no errors. (Chefs for Kids)

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	{No Data Entered}	83

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
724	Healthy Lifestyle
703	Nutrition Education and Behavior
806	Youth Development

**Outcome #7**

**1. Outcome Measures**

The goal of this six session curriculum, (Food for Health and Soul) is to encourage and teach families to modify their favorite recipes by decreasing sugar, fat, salt and sodium and increasing fiber-rich foods during preparation; thereby decreasing the risk for chronic diseases such as heart disease, diabetes, hypertension, some cancers and obesity.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	{No Data Entered}	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

A six session curriculum (Food for Health and Soul) has been developed to teach families how to modify their favorite recipes by decreasing sugar, fat, salt and sodium and increasing fiber-rich foods during preparation; thereby decreasing the risk for chronic diseases such as heart disease, diabetes, hypertension, some cancers and obesity.

#### Results

Of the 468 individuals completing the curriculum in 2007, data analysis showed that participants changed their eating habits and these changes are in the direction of healthier behaviors (related to fat, fiber and sodium intake).

#### 4. Associated Knowledge Areas

KA Code	Knowledge Area
724	Healthy Lifestyle
703	Nutrition Education and Behavior

#### V(H). Planned Program (External Factors)

##### External factors which affected outcomes

- Appropriations changes
- Public Policy changes
- Competing Programmatic Challenges

##### Brief Explanation

None

#### V(I). Planned Program (Evaluation Studies and Data Collection)

##### 1. Evaluation Studies Planned

- Before-After (before and after program)
- During (during program)
- Case Study

##### Evaluation Results

{No Data Entered}

##### Key Items of Evaluation

{No Data Entered}

**Program #3**

**V(A). Planned Program (Summary)**

**1. Name of the Planned Program**

Agriculture & Natural Resources

**V(B). Program Knowledge Area(s)**

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
111	Conservation and Efficient Use of Water	10%			
121	Management of Range Resources	25%			
122	Management and Control of Forest and Range Fires	5%			
205	Plant Management Systems	20%			
216	Integrated Pest Management Systems	20%			
307	Animal Management Systems	5%			
601	Economics of Agricultural Production and Farm Management	5%			
605	Natural Resource and Environmental Economics	5%			
806	Youth Development	5%			
<b>Total</b>		100%			

**V(C). Planned Program (Inputs)**

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2007	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	20.1	0.0	0.0	0.0
<b>Actual</b>	20.1	0.0	0.0	0.0

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
554277	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
554277	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
1287532	0	0	0

**V(D). Planned Program (Activity)**

**1. Brief description of the Activity**

There are primarily four major inter-related and interconnected areas of emphasis in agriculture and natural resources programming:

- \* vegetation management
- \* watershed health management
- \* urban/community horticulture
- \* alternative and sustainable agriculture practices or opportunities

Primary outcomes in agriculture & natural resource programming are:

\* For land managers to learn and apply sound principles to both maintain and restore rangeland health, reduce weeds and impacts of fires.

\* For stakeholders (individuals, land owners, land managers, community leaders, business/industry, etc.) in water management issues to learn sound principles for the effective and efficient management and utilization of Nevada's riparian areas and to work together in apply these principles at all levels to maximize benefit.

\* For individual home owners and businesses in urban areas to learn and apply landscaping and horticulture practices which suit the climate and limited water resources of Nevada.

\* To identify sustainable agriculture alternative practices and opportunities for Nevada, for producers to learn and apply these in their agriculture operations.

A variety of activities both educational outreach and applied research were undertaken in each of these areas. Applied research was also focus on both social and "best management practices" for Nevada as it relates to the areas of emphasis.

**2. Brief description of the target audience**

Target audience is multiple and varied. First, Nevada land managers both public and private. Second, stakeholders in water related issues (individuals, land owners, land managers, community leaders, business/industry, etc.). Third, home and business owners for horticulture and landscaping practices. Fourth, ag producers interested in sustainable and alternative agricultural practices. Youth in 4-H program are also a target audience although not the primarily focus for most of these programs.

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Year</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>
<b>Plan</b>	3690	8800	850	100
2007	57864	0	12316	6955

**2. Number of Patent Applications Submitted (Standard Research Output)**

**Patent Applications Submitted**

<b>Year</b>	<b>Target</b>
<b>Plan:</b>	0
2007 :	0

**Patents listed**

**3. Publications (Standard General Output Measure)****Number of Peer Reviewed Publications**

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>			
2007	43	0	0

**V(F). State Defined Outputs****Output Target**

**Output #1****Output Measure**

- Number of journal articles or UNCE publications related to agriculture & natural resources (including horticulture) produced.

Year	Target	Actual
2007	5	43

**Output #2****Output Measure**

- Number of individuals reached directly with agriculture & natural resource information (including water and horticulture) through workshops, trainings & one on one or other direct method including phone and e-mail consultations.

Year	Target	Actual
2007	3690	70180

**Output #3****Output Measure**

- Number of phone calls and e-mails handled by Master Gardener volunteers.

Year	Target	Actual
2007	{No Data Entered}	11689

**Output #4****Output Measure**

- Number of 'Noxious Weed Control (Using Livestock as a Tool in Noxious Weed Control in Nine Western States)' manuals distributed including other states.

Year	Target	Actual
2007	{No Data Entered}	1682

**Output #5****Output Measure**

- Number green industry employees certified in proper horticultural techniques.

Year	Target	Actual
2007	{No Data Entered}	1000

**Output #6****Output Measure**

- Number of youth and adults reached in the 'Food for Thought' program (building on the school gardens program) designed to teach Southern Nevada school faculty, staff, and students awareness of the desert environment, demonstrate the geographic sources of their food, and encourage healthy eating and activities.

Year	Target	Actual
2007	{No Data Entered}	11400

**Output #7****Output Measure**

- Number of Spanish language workers trained in best management practices to protect the water quality of Lake Tahoe.

Year	Target	Actual
2007	{No Data Entered}	20

**Output #8****Output Measure**

- Number of best management practices site evaluations performed on private property in the Lake Tahoe region to protect the water quality of Lake Tahoe.

Year	Target	Actual
2007	{No Data Entered}	1169

**Output #9****Output Measure**

- Number of individual land managers and private land/home owners reached with information about how to live more safely in high fire hazard environments.

Year	Target	Actual
2007	{No Data Entered}	3700

## V(G). State Defined Outcomes

## V. State Defined Outcomes Table of Content

O No.	OUTCOME NAME
1	Number of target audiences who will learn best management practices for agriculture, natural resources, horticulture or water quality/quantity.
2	Number of target audiences who apply or use best management practices learned for agriculture, natural resources, horticulture or water quality/quantity.
3	Number of youth and adults gaining a better understanding of agriculture and greater appreciation through the 'Eagles & Agriculture' program for the role agriculture plays in providing wildlife habitat.
4	Adoption of 'risk management' knowledge learned to make agriculture production more sustainable.
5	Adoption of tef as an viable and economic alternative crop for Nevada producers which also conserves water.
6	Number of Certificates of Completion awarded by Tahoe Regional Planning Authority (TPRA). These show behavior change because every property that earns a Certificate of Completion must have 'best management practices' implemented correctly.
7	Percentage of Nevada Fire Safe Council (NFSC) members responding to an online survey that were familiar with the 'Living with Fire' program, wildfire hazard and threat reduction.
8	Percent of participants (from extreme or high wildfire hazard communities) attending 'Nevada Wildland Urban Interface Fire Summit' who gained a better understanding of the wildfire threat to their communities.

**Outcome #1****1. Outcome Measures**

Number of target audiences who will learn best management practices for agriculture, natural resources, horticulture or water quality/quantity.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	10000	70180

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
205	Plant Management Systems
605	Natural Resource and Environmental Economics
806	Youth Development
121	Management of Range Resources
111	Conservation and Efficient Use of Water
216	Integrated Pest Management Systems

**Outcome #2****1. Outcome Measures**

Number of target audiences who apply or use best management practices learned for agriculture, natural resources, horticulture or water quality/quantity.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	5000	250

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done****Results****4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
605	Natural Resource and Environmental Economics
111	Conservation and Efficient Use of Water
806	Youth Development
205	Plant Management Systems

**Outcome #3****1. Outcome Measures**

Number of youth and adults gaining a better understanding of agriculture and greater appreciation through the 'Eagles & Agriculture' program for the role agriculture plays in providing wildlife habitat.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2007	{No Data Entered}	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Agriculture in the rural urban interface is often viewed by urban audiences as being detrimental to wildlife habitat.

**What has been done**

A two day program focusing on the benefits of agriculture for wildlife habitat was attended by 20 youth and 500 adults.

**Results**

Evaluations showed that participants gained a better understanding of the benefits of agriculture for wildlife habitat and that the two can co-exists.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
806	Youth Development
605	Natural Resource and Environmental Economics

**Outcome #4****1. Outcome Measures**

Adoption of 'risk management' knowledge learned to make agriculture production more sustainable.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	{No Data Entered}	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

Agriculture sustainability is of key concern to producers.

**What has been done**

'The Risk Management Education for Sustainable Agriculture' is a comprehensive program that provided risk management programs to over 1001 livestock, forage and speciality crop producers in Nevada during 2007.

**Results**

80% of the participants felt they could apply their new knowledge in their jobs/operations. After six months almost half had incorporated changes in their operations based on the knowledge gained and many program participants reported increased profits or financial benefits of 5-10%.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
601	Economics of Agricultural Production and Farm Management
605	Natural Resource and Environmental Economics
121	Management of Range Resources
307	Animal Management Systems

**Outcome #5**

**1. Outcome Measures**

Adoption of tef as a viable and economic alternative crop for Nevada producers which also conserves water.

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	{No Data Entered}	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

Agriculture producers in Nevada are looking for economical and viable alternative crops which conserve water resources.

**What has been done**

Cooperative Extension is working to help producers explore the viability of tef as one alternative crop.

**Results**

In 2007 nine producers planted over 600 acres of tef (double from the previous year). Seed sales from these acres plus chaf sales grossed \$1000 per acre. When marketed as a high quality horse have the return was about \$850 per acre. Overall, tef production reduced water use by about 1/3rd as compared to alfalfa and input cost were about the same. Tef is rapidly becoming established as a viable alternative to alfalfa in Western Nevada.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
205	Plant Management Systems
111	Conservation and Efficient Use of Water
601	Economics of Agricultural Production and Farm Management

**Outcome #6****1. Outcome Measures**

Number of Certificates of Completion awarded by Tahoe Regional Planning Authority (TPRA). These show behavior change because every property that earns a Certificate of Completion must have 'best management practices' implemented correctly.

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2007	{No Data Entered}	1611

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
205	Plant Management Systems
806	Youth Development
605	Natural Resource and Environmental Economics
216	Integrated Pest Management Systems
111	Conservation and Efficient Use of Water

**Outcome #7****1. Outcome Measures**

Percentage of Nevada Fire Safe Council (NFSC) members responding to an online survey that were familiar with the 'Living with Fire' program, wildfire hazard and threat reduction.

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	{No Data Entered}	67

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
205	Plant Management Systems
122	Management and Control of Forest and Range Fires

**Outcome #8**

**1. Outcome Measures**

Percent of participants (from extreme or high wildfire hazard communities) attending 'Nevada Wildland Urban Interface Fire Summit' who gained a better understanding of the wildfire threat to their communities.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	{No Data Entered}	89

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
122	Management and Control of Forest and Range Fires
205	Plant Management Systems

**V(H). Planned Program (External Factors)**

**External factors which affected outcomes**

- Appropriations changes
- Public Policy changes
- Competing Programmatic Challenges

**Brief Explanation**

In this past year there were no significant external factors impinging on the outcomes.

**V(I). Planned Program (Evaluation Studies and Data Collection)**

**1. Evaluation Studies Planned**

- Before-After (before and after program)
- Time series (multiple points before and after program)
- Case Study

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}

**Program #4**

**V(A). Planned Program (Summary)**

**1. Name of the Planned Program**

Human & Family Development

**V(B). Program Knowledge Area(s)**

**1. Program Knowledge Areas and Percentage**

KA Code	Knowledge Area	%1862 Extension	%1890 Extension	%1862 Research	%1890 Research
702	Requirements and Function of Nutrients and Other Food Components	5%			
703	Nutrition Education and Behavior	10%			
802	Human Development and Family Well-Being	65%			
803	Sociological and Technological Change Affecting Individuals, Families and Communities	10%			
806	Youth Development	10%			
<b>Total</b>		100%			

**V(C). Planned Program (Inputs)**

**1. Actual amount of professional FTE/SYs expended this Program**

Year: 2007	Extension		Research	
	1862	1890	1862	1890
<b>Plan</b>	13.4	0.0	0.0	0.0
<b>Actual</b>	14.8	0.0	0.0	0.0

**2. Actual dollars expended in this Program (includes Carryover Funds from previous years)**

Extension		Research	
Smith-Lever 3b & 3c	1890 Extension	Hatch	Evans-Allen
351588	0	0	0
1862 Matching	1890 Matching	1862 Matching	1890 Matching
351588	0	0	0
1862 All Other	1890 All Other	1862 All Other	1890 All Other
816706	0	0	0

**V(D). Planned Program (Activity)**

**1. Brief description of the Activity**

In 2007 Human & Family Development programming focused on the interrelated areas of children, youth and families at risk, positive youth development, parenting education, literacy and child care provider training. Ultimate outcomes of this program include:

**2. Brief description of the target audience**

Target audiences include:

- Child care providers & other youth/family professionals
- Parents/families
- At Risk Youth & Families including Military families (Regular, Reserves and National Guard.)

**V(E). Planned Program (Outputs)**

**1. Standard output measures**

**Target for the number of persons (contacts) reached through direct and indirect contact methods**

	<b>Direct Contacts Adults</b>	<b>Indirect Contacts Adults</b>	<b>Direct Contacts Youth</b>	<b>Indirect Contacts Youth</b>
<b>Year</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>	<b>Target</b>
<b>Plan</b>	3000	5700	720	1000
2007	16464	56243	14166	79461

**2. Number of Patent Applications Submitted (Standard Research Output)**

**Patent Applications Submitted**

<b>Year</b>	<b>Target</b>
<b>Plan:</b>	0
2007 :	0

**Patents listed**

**3. Publications (Standard General Output Measure)**

**Number of Peer Reviewed Publications**

	<b>Extension</b>	<b>Research</b>	<b>Total</b>
<b>Plan</b>			
2007	14	0	0

**V(F). State Defined Outputs**

**Output Target**

**Output #1****Output Measure**

- Number of families who receive publications, newsletters, etc. on human & family development related topics developed.

Year	Target	Actual
2007	800	0

**Output #2****Output Measure**

- Number of MAGIC curricula distributed.

Year	Target	Actual
2007	40	20

**Output #3****Output Measure**

- A statewide 'aging' needs assessment was conducted for the first time for use in programming and published as a white paper.

Year	Target	Actual
2007	{No Data Entered}	1

**Output #4****Output Measure**

- Number of middle school girls reached in Carson City by ALITAS (Alliance of Latinas in Teen Action and Solidarity) designed to expand youth awareness of the possibilities in their lives; to improve their school performance; and to increase their positive life skills.

Year	Target	Actual
2007	{No Data Entered}	3094

**Output #5****Output Measure**

- Number of child caregivers using the four 'Caring 4 Kids' training modules for in-service training or attending other child care provider education to improve their child care skills.

Year	Target	Actual
2007	{No Data Entered}	4243

**Output #6****Output Measure**

- Number of parents in Carson City attending programs at probation offices or schools to learn how to talk to their children about gangs.

Year	Target	Actual
2007	{No Data Entered}	815

**Output #7****Output Measure**

- Number of youth and parents graduated from the entry level juvenile offenders program (MAGIC).

Year	Target	Actual
2007	{No Data Entered}	109

**Output #8****Output Measure**

- Number of youth participating in the 'mini-society' experience to learn about entrepreneurship.

Year	Target	Actual
2007	{No Data Entered}	250

**Output #9****Output Measure**

- Number of counselors and professional educators formally training on issues facing youth with deployed military parents (Operation Military Kids).

Year	Target	Actual
2007	{No Data Entered}	100

**Output #10****Output Measure**

- Number of adults and youth reached in the Family Storyteller literacy program.

Year	Target	Actual
2007	{No Data Entered}	3766

**Output #11****Output Measure**

- Number of youth reached in the traditional 4-H Club program.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	{No Data Entered}	5676

**Output #12****Output Measure**

- Number of youth reached through non-4-H Club membership.

<b>Year</b>	<b>Target</b>	<b>Actual</b>
2007	{No Data Entered}	36332

**V(G). State Defined Outcomes****V. State Defined Outcomes Table of Content**

<b>O No.</b>	<b>OUTCOME NAME</b>
1	Number of child care providers and family/youth professionals learning new knowledge or skills.
2	Number of youth and adults improving literacy skills.
3	Number of professionals trained to deliver evidenced-based delivery programs on human & family development related topics.
4	Number of parents learning new parenting knowledge/skills.
5	Significant improvement in school functioning for your participating in juvenile diversion program (MAGIC).
6	Significant improvement in family functioning for youth participating in juvenile diversion program (MAGIC).
7	Significant improvement in attitudes about substance abuse for your participating in juvenile diversion program (MAGIC).
8	Number of caregivers participating in SIDS workshops who improved their knowledge and understanding of SIDS and SIDS prevention.
9	Impact of 4-H program in Nevada on participants.

**Outcome #1****1. Outcome Measures**

Number of child care providers and family/youth professionals learning new knowledge or skills.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	750	4243

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families and Communities
703	Nutrition Education and Behavior
806	Youth Development
702	Requirements and Function of Nutrients and Other Food Components
802	Human Development and Family Well-Being

**Outcome #2****1. Outcome Measures**

Number of youth and adults improving literacy skills.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	500	3750

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

Literacy is an important skill and helping parents teach literacy to their children improves the skills of both.

**What has been done**

The 'Family Storyteller' program has a number of versions in English, Spanish, and for American Indians. It has been extensively used and evaluated over a number of years.

**Results**

Parents show gains in the frequency, enjoyment and quality of shared book reading and children show gains in book knowledge, emergent reading and language skills.

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
803	Sociological and Technological Change Affecting Individuals, Families and Communities
802	Human Development and Family Well-Being
806	Youth Development

**Outcome #3****1. Outcome Measures**

Number of professionals trained to deliver evidenced-based delivery programs on human & family development related topics.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

<b>Year</b>	<b>Quantitative Target</b>	<b>Actual</b>
2007	35	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

<b>KA Code</b>	<b>Knowledge Area</b>
806	Youth Development
802	Human Development and Family Well-Being
803	Sociological and Technological Change Affecting Individuals, Families and Communities

**Outcome #4****1. Outcome Measures**

Number of parents learning new parenting knowledge/skills.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**  
Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	2100	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being
806	Youth Development

**Outcome #5**

**1. Outcome Measures**

Significant improvement in school functioning for your participating in juvenile diversion program (MAGIC).

**2. Associated Institution Types**

- 1862 Extension

**3a. Outcome Type:**  
Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	100	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

Youth reported that their grades were now better and parents reported their child missed significantly less school and recognized school as important.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families and Communities
802	Human Development and Family Well-Being
806	Youth Development

**Outcome #6**

**1. Outcome Measures**

Significant improvement in family functioning for youth participating in juvenile diversion program (MAGIC).

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	100	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
802	Human Development and Family Well-Being
806	Youth Development
803	Sociological and Technological Change Affecting Individuals, Families and Communities

**Outcome #7**

**1. Outcome Measures**

Significant improvement in attitudes about substance abuse for your participating in juvenile diversion program (MAGIC).

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	100	0

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

Youth and parents participating in the MAGIC juvenile diversion program were significantly more likely to report an increase in their belief that smoking marijuana was harmful and parents reported that youth saw drug use as significantly more wrong upon completion of the program.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
803	Sociological and Technological Change Affecting Individuals, Families and Communities
802	Human Development and Family Well-Being
806	Youth Development

**Outcome #8**

**1. Outcome Measures**

Number of caregivers participating in SIDS workshops who improved their knowledge and understanding of SIDS and SIDS prevention.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Knowledge Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	{No Data Entered}	297

**3c. Qualitative Outcome or Impact Statement**

**Issue (Who cares and Why)**

**What has been done**

**Results**

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
806	Youth Development
803	Sociological and Technological Change Affecting Individuals, Families and Communities
802	Human Development and Family Well-Being

**Outcome #9**

**1. Outcome Measures**

Impact of 4-H program in Nevada on participants.

**2. Associated Institution Types**

•1862 Extension

**3a. Outcome Type:**

Change in Action Outcome Measure

**3b. Quantitative Outcome**

Year	Quantitative Target	Actual
2007	{No Data Entered}	0

**3c. Qualitative Outcome or Impact Statement****Issue (Who cares and Why)**

The study was to measure the impact of the 4-H experience on the lives of Nevada youth and to provide impact data for accountability and program improvement.

**What has been done**

A survey of 1500 youth and 150 adult volunteers was conducted.

**Results**

Analysis of data revealed that 4-H participation significantly contributed to the variance in extracurricular activity involvement, school leadership positions held, caring for others, self confidence, character and empowerment.

**4. Associated Knowledge Areas**

KA Code	Knowledge Area
806	Youth Development
803	Sociological and Technological Change Affecting Individuals, Families and Communities
802	Human Development and Family Well-Being

**V(H). Planned Program (External Factors)****External factors which affected outcomes**

- Appropriations changes
- Public Policy changes
- Competing Programmatic Challenges

**Brief Explanation**

No external factors significantly affected outcomes.

**V(I). Planned Program (Evaluation Studies and Data Collection)****1. Evaluation Studies Planned**

- Before-After (before and after program)
- During (during program)
- Case Study

**Evaluation Results**

{No Data Entered}

**Key Items of Evaluation**

{No Data Entered}